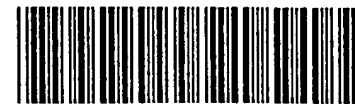


RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/582,606
Source: IFWP
Date Processed by STIC: 8/8/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 08/08/2006

PATENT APPLICATION: US/10/587,606

TIME: 08:59:59

Input Set : A:\68074-A-PCT_SEQ_LIST.ST25.txt

Output Set: N:\CRF4\08082006\J587606.raw

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3 <110> APPLICANT: Fine, Robert L
4      Brandt-Rauf, Paul
5      Mao, Yueha
7 <120> TITLE OF INVENTION: C-Terminal p53 Palindromic Peptide That Induces Apoptosis of
8      Cells with Aberrant p53 and Uses Thereof
10 <130> FILE REFERENCE: 68074-A-PCT-US/JPW/JW
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/587,606
C--> 12 <141> CURRENT FILING DATE: 2006-07-27
12 <150> PRIOR APPLICATION NUMBER: PCT/US2005/002543
13 <151> PRIOR FILING DATE: 2005-01-27
15 <150> PRIOR APPLICATION NUMBER: US 60/540,864
16 <151> PRIOR FILING DATE: 2004-01-30
18 <160> NUMBER OF SEQ ID NOS: 9
20 <170> SOFTWARE: PatentIn version 3.3
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 41
24 <212> TYPE: PRT
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Polypeptide based on human p53
30 <400> SEQUENCE: 1
32 Ala Gln Ala Gly Lys Glu Pro Gly Gly Ser Arg Ala His Ser Ser His
33 1          5          10          15
36 Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu Met
37          20          25          30
40 Phe Lys Thr Glu Gly Pro Asp Ser Asp
41          35          40
44 <210> SEQ ID NO: 2
45 <211> LENGTH: 41
46 <212> TYPE: PRT
47 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Polypeptide based on human p53
52 <400> SEQUENCE: 2
54 Asp Ser Asp Pro Gly Glu Thr Lys Phe Met Leu Lys Lys His Arg Ser
55 1          5          10          15
58 Thr Ser Gln Gly Lys Lys Ser Lys Leu His Ser Ser His Ala Arg Ser
59          20          25          30
62 Gly Gly Pro Glu Lys Gly Ala Gln Ala
63          35          40
66 <210> SEQ ID NO: 3
67 <211> LENGTH: 83
68 <212> TYPE: PRT

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RAW SEQUENCE LISTING

DATE: 08/08/2006

PATENT APPLICATION: US/10/587,606

TIME: 08:59:59

Input Set : A:\68074-A-PCT_SEQ_LIST.ST25.txt

Output Set: N:\CRF4\08082006\J587606.raw

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69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Palindromic polypeptide based on human p53
75 <220> FEATURE:
76 <221> NAME/KEY: MISC_FEATURE
77 <222> LOCATION: (42)..(42) /
78 <223> OTHER INFORMATION: Xaa = Gly or absent
80 <400> SEQUENCE: 3
82 Ala Gln Ala Gly Lys Glu Pro Gly Gly Ser Arg Ala His Ser Ser His
83 1          5          10          15
86 Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu Met
87          20          25          30
W--> 90 Phe Lys Thr Glu Gly Pro Asp Ser Asp Xaa Asp Ser Asp Pro Gly Glu
91          35          40          45
94 Thr Lys Phe Met Leu Lys Lys His Arg Ser Thr Ser Gln Gly Lys Lys
95          50          55          60
98 Ser Lys Leu His Ser Ser His Ala Arg Ser Gly Gly Pro Glu Lys Gly
99 65          70          75          80
102 Ala Gln Ala
106 <210> SEQ ID NO: 4
107 <211> LENGTH: 83
108 <212> TYPE: PRT
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Palindromic polypeptide based on human p53
115 <220> FEATURE:
116 <221> NAME/KEY: MISC_FEATURE
117 <222> LOCATION: (42)..(42)
118 <223> OTHER INFORMATION: Xaa = Gly or absent
120 <400> SEQUENCE: 4
122 Asp Ser Asp Pro Gly Glu Thr Lys Phe Met Leu Lys Lys His Arg Ser
123 1          5          10          15
126 Thr Ser Gln Gly Lys Lys Ser Lys Leu His Ser Ser His Ala Arg Ser
127          20          25          30
W--> 130 Gly Gly Pro Glu Lys Gly Ala Gln Ala Xaa Ala Gln Ala Gly Lys Glu
131          35          40          45
134 Pro Gly Gly Ser Arg Ala His Ser Ser His Leu Lys Ser Lys Lys Gly
135          50          55          60
138 Gln Ser Thr Ser Arg His Lys Lys Leu Met Phe Lys Thr Glu Gly Pro
139 65          70          75          80
142 Asp Ser Asp
146 <210> SEQ ID NO: 5
147 <211> LENGTH: 167
148 <212> TYPE: PRT
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Palindromic polypeptide based on human p53
155 <220> FEATURE:
156 <221> NAME/KEY: MISC_FEATURE

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RAW SEQUENCE LISTING

DATE: 08/08/2006

PATENT APPLICATION: US/10/587,606

TIME: 08:59:59

Input Set : A:\68074-A-PCT_SEQ_LIST.ST25.txt

Output Set: N:\CRF4\08082006\J587606.raw

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157 <222> LOCATION: (42)..(42)
158 <223> OTHER INFORMATION: Xaa = Gly or absent
160 <220> FEATURE:
161 <221> NAME/KEY: MISC_FEATURE
162 <222> LOCATION: (84)..(84)
163 <223> OTHER INFORMATION: Xaa = Gly or absent
165 <220> FEATURE:
166 <221> NAME/KEY: MISC_FEATURE
167 <222> LOCATION: (126)..(126)
168 <223> OTHER INFORMATION: Xaa = Gly or absent
170 <400> SEQUENCE: 5
172 Ala Gln Ala Gly Lys Glu Pro Gly Gly Ser Arg Ala His Ser Ser His
173 1 5 10 15
176 Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu Met
177 20 25 30
W--> 180 Phe Lys Thr Glu Gly Pro Asp Ser Asp Xaa Asp Ser Asp Pro Gly Glu
181 35 40 45
184 Thr Lys Phe Met Leu Lys Lys His Arg Ser Thr Ser Gln Gly Lys Lys
185 50 55 60
188 Ser Lys Leu His Ser Ser His Ala Arg Ser Gly Gly Pro Glu Lys Gly
189 65 70 75 80
192 Ala Gln Ala Xaa Ala Gln Ala Gly Lys Glu Pro Gly Gly Ser Arg Ala
193 85 90 95
196 His Ser Ser His Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His
197 100 105 110
200 Lys Lys Leu Met Phe Lys Thr Glu Gly Pro Asp Ser Asp Xaa Asp Ser
201 115 120 125
204 Asp Pro Gly Glu Thr Lys Phe Met Leu Lys Lys His Arg Ser Thr Ser
205 130 135 140
208 Gln Gly Lys Lys Ser Lys Leu His Ser Ser His Ala Arg Ser Gly Gly
209 145 150 155 160
212 Pro Glu Lys Gly Ala Gln Ala
213 165
216 <210> SEQ ID NO: 6
217 <211> LENGTH: 167
218 <212> TYPE: PRT
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Palindromic polypeptide based on human p53
225 <220> FEATURE:
226 <221> NAME/KEY: MISC_FEATURE
227 <222> LOCATION: (42)..(42)
228 <223> OTHER INFORMATION: Xaa = Gly or absent
230 <220> FEATURE:
231 <221> NAME/KEY: MISC_FEATURE
232 <222> LOCATION: (84)..(84)
233 <223> OTHER INFORMATION: Xaa = Gly or absent
235 <220> FEATURE:
236 <221> NAME/KEY: MISC_FEATURE

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RAW SEQUENCE LISTING

DATE: 08/08/2006

PATENT APPLICATION: US/10/587,606

TIME: 08:59:59

Input Set : A:\68074-A-PCT_SEQ_LIST.ST25.txt

Output Set: N:\CRF4\08082006\J587606.raw

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237 <222> LOCATION: (126)..(126)
238 <223> OTHER INFORMATION: Xaa = Gly or absent
240 <400> SEQUENCE: 6
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243 1 5 10 15
246 Thr Ser Gln Gly Lys Lys Ser Lys Leu His Ser Ser His Ala Arg Ser
247 20 25 30
W--> 250 Gly Gly Pro Glu Lys Gly Ala Gln Ala Xaa Ala Gln Ala Gly Lys Glu
251 35 40 45
254 Pro Gly Gly Ser Arg Ala His Ser Ser His Leu Lys Ser Lys Lys Gly
255 50 55 60
258 Gln Ser Thr Ser Arg His Lys Lys Leu Met Phe Lys Thr Glu Gly Pro
259 65 70 75 80
262 Asp Ser Asp Xaa Asp Ser Asp Pro Gly Glu Thr Lys Phe Met Leu Lys
263 85 90 95
266 Lys His Arg Ser Thr Ser Gln Gly Lys Lys Ser Lys Leu His Ser Ser
267 100 105 110
270 His Ala Arg Ser Gly Gly Pro Glu Lys Gly Ala Gln Ala Xaa Ala Gln
271 115 120 125
274 Ala Gly Lys Glu Pro Gly Gly Ser Arg Ala His Ser Ser His Leu Lys
275 130 135 140
278 Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu Met Phe Lys
279 145 150 155 160
282 Thr Glu Gly Pro Asp Ser Asp
283 165
286 <210> SEQ ID NO: 7
287 <211> LENGTH: 164
288 <212> TYPE: PRT
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Palindromic polypeptide based on human p53
294 <400> SEQUENCE: 7
296 Ala Gln Ala Gly Lys Glu Pro Gly Gly Ser Arg Ala His Ser Ser His
297 1 5 10 15
300 Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu Met
301 20 25 30
304 Phe Lys Thr Glu Gly Pro Asp Ser Asp Asp Ser Asp Pro Gly Glu Thr
305 35 40 45
308 Lys Phe Met Leu Lys Lys His Arg Ser Thr Ser Gln Gly Lys Lys Ser
309 50 55 60
312 Lys Leu His Ser Ser His Ala Arg Ser Gly Gly Pro Glu Lys Gly Ala
313 65 70 75 80
316 Gln Ala Ala Gln Ala Gly Lys Glu Pro Gly Gly Ser Arg Ala His Ser
317 85 90 95
320 Ser His Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys
321 100 105 110
324 Leu Met Phe Lys Thr Glu Gly Pro Asp Ser Asp Asp Ser Asp Pro Gly
325 115 120 125
328 Glu Thr Lys Phe Met Leu Lys Lys His Arg Ser Thr Ser Gln Gly Lys

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RAW SEQUENCE LISTING

DATE: 08/08/2006

PATENT APPLICATION: US/10/587,606

TIME: 08:59:59

Input Set : A:\68074-A-PCT_SEQ_LIST.ST25.txt

Output Set: N:\CRF4\08082006\J587606.raw

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329      130      135      140
332 Lys Ser Lys Leu His Ser Ser His Ala Arg Ser Gly Gly Pro Glu Lys
333 145      150      155      160
336 Gly Ala Gln Ala
340 <210> SEQ ID NO: 8
341 <211> LENGTH: 17
342 <212> TYPE: PRT
343 <213> ORGANISM: Artificial Sequence
345 <220> FEATURE:
346 <223> OTHER INFORMATION: Membrane carrier peptide derived from Antennaepedia
348 <400> SEQUENCE: 8
350 Lys Lys Trp Lys Met Arg Arg Asn Gln Phe Trp Val Lys Val Gln Arg
351 1      5      10      15
354 Gly
358 <210> SEQ ID NO: 9
359 <211> LENGTH: 6
360 <212> TYPE: DNA
361 <213> ORGANISM: Artificial Sequence
363 <220> FEATURE:
364 <223> OTHER INFORMATION: Restriction enzyme site derived from human p53
366 <400> SEQUENCE: 9
367 ggccgg

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6

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/08/2006
PATENT APPLICATION: US/10/587,606 TIME: 09:00:00

Input Set : A:\68074-A-PCT_SEQ_LIST.ST25.txt
Output Set: N:\CRF4\08082006\J587606.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 42 '
Seq#:4; Xaa Pos. 42
Seq#:5; Xaa Pos. 42,84,126'
Seq#:6; Xaa Pos. 42,84,126

VERIFICATION SUMMARY

DATE: 08/08/2006

PATENT APPLICATION: US/10/587,606

TIME: 09:00:00

Input Set : A:\68074-A-PCT_SEQ_LIST.ST25.txt

Output Set: N:\CRF4\08082006\J587606.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:32
L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:32
L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:32
M:341 Repeated in SeqNo=5
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:32
M:341 Repeated in SeqNo=6